

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION

DR-609

Effective Date: March 1, 2013

Reevaluation Date: **January 2014**

*The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**.*

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code and the Texas Engineering Practice Act.

Series 05 Aluminum Clad Wood French Outswing Hinged Double Patio Doors, Impact Resistant,
manufactured by

Eagle Window and Door
2045 Kerper Blvd
Dubuque, Iowa 52001
Telephone: (800) 324-5354
www.eaglewindow.com

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 05 Aluminum Clad Wood French Outswing Hinged Double Patio Door	CW-PG65 72 x 95-SHD; Missile Level D	± 65 psf
2	Series 05 Aluminum Clad Wood French Outswing Hinged Double Patio Door	LC-PG60 72 x 96-SHD; Missile Level D	+60 psf / -65 psf

Product Dimensions:

System	Overall Size	Active / Passive Panel Size	Daylight Opening Size
1	72 $\frac{1}{16}$ " x 95 $\frac{5}{16}$ "	Active: 34 $\frac{3}{4}$ " x 93 $\frac{1}{4}$ " Passive: 35 $\frac{1}{2}$ " x 93 $\frac{1}{4}$ "	25 $\frac{1}{4}$ " x 80 $\frac{1}{2}$ "
2	72 $\frac{1}{16}$ " x 95 $\frac{5}{16}$ "	Active: 34 $\frac{3}{4}$ " x 93 $\frac{1}{4}$ " Passive: 35 $\frac{1}{2}$ " x 93 $\frac{1}{4}$ "	25 $\frac{1}{4}$ " x 80 $\frac{1}{2}$ "

Hardware:

Hinges:

Systems 1, 2: Eight (8) required (four (4) on each door panel); Secured to the door panel with four (4) No. 12 x 1 $\frac{1}{2}$ " screws. Secured to the door frame with two (2) No. 12 x 1 $\frac{1}{2}$ " screws and two (2) No. 10 x 2 $\frac{1}{2}$ " screws.

Hardware (continued):**Lock Assembly:**

Systems 1, 2: 3- point lock system; Located on the active panel
Shoot bolt with lever; located on the passive panel at top and bottom rail
Mortise door bolt; Located on the passive door panel; Secured with two (2) No. 7
x $\frac{5}{8}$ " screws.

Strike Plates:

Systems 1, 2: Latch strike; Two (2) required; Secured to the astragal with two (2) No. 7 x $\frac{5}{8}$ " screws.
Center strike; One (1) required; Secured to the astragal with three (3) No. 7 x $\frac{5}{8}$ " screws.
Head and sill strike plates; One (1) required; Secured to the head frame with two (2) No. 8 x $2\frac{1}{8}$ " screws.

Product Identification (Certification Agency Label on Door):

System		
1-2	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Eagle Window and Door, Inc.
	Product Name	Hinged Patio Door - Outswing
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08; ASTM E 1886, ASTM E 1996, Missile Level D

Impact Resistance:

Impact Resistant	Requirement
Yes	These products satisfy the Texas Department of Insurance's criteria for protection from windborne debris in the Inland I and Seaward zone . The assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded.

Installation: The wall framing shall be minimum Southern Yellow Pine dimension lumber. The door assembly shall be secured to the wall framing using stainless steel installation straps ($1\frac{1}{4}$ " x 9" x 0.030") along each side jamb. The installation straps are secured to the door frame with four (4) No. 8 x $\frac{5}{8}$ " screws and are secured to the wall framing with two (2) No. 8 x $1\frac{1}{2}$ " screws on each side of the strap for a total of four (4) fasteners. Along each side jamb, the installation straps are required a maximum of 6 inches from each corner and a maximum of 21 inches on center. The sill is secured to the foundation with one (1) No. 8 x $2\frac{1}{2}$ " screw located a maximum of 6 inches from each corner. The door assembly shall be secured to the wall framing through the hinges with No. 10 x $2\frac{1}{2}$ " screws. Two (2) screws per hinge are required. The door assembly shall be secured to the wall framing through the head and sill strike plates with minimum No. 8 x $2\frac{1}{2}$ " screws. Two (2) screws per strike plate are required. The sill is set in a bed of silicone. All fasteners shall be long enough to penetrate a minimum of $1\frac{1}{2}$ inches into the wall framing.

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.